रजिस्ट्री सं० डीएल—33001/94 REGISTERED NO. DL—33001/94

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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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Calcutta, the 23rd July1994

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पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 23 जुलाई 1994

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोअर परेल (पश्चिम),
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा दीव एवं दादरा और नगर हवेली ।

तार पता—"पेटोफिस"

पेटेंट कार्यालय शाखा,
एनेक्स सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—"पेटेंटोफिक"

पेटेंट कार्यालय शाखा,
61, बालाजाह रोड,
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप, मिनिकाय तथा एमिनिदिवि द्वीप ।

तार पता—"पेटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्विवर्षीय बहुतलीय कार्यालय,
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र ।

तार पता—"पेटेंट्स"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है ।

APPLICATION FOR PATENT FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE, ROAD, CALCUTTA-20.

The dates shown in the crescent branch are the dates claimed under section 135, of the patent Act, 1970.

26th May, 1994

388/Cal/94 : Metallurgical & Engineering Consultants Ltd. Process for preparing pressure sensing transducers from galena Aggregate (Divided out of Application No. 692/Cal/90 antedated to 9-8-90).

389/Cal/94 : Metallurgical & Engineering Consultants Ltd. Process for preparing pressure sensing transducers from Galana Concentrate. (divided out Application No. 691/Cal/90 antedated to 9-8-90).

390/Cal/94 : Dr. Roderich W. Graff. Process and apparatus for regenerating a moist adsorption medium.

391/Cal/94 : Eaton Corporation. Current transformer using a laminated toroidal core structure and a lead frame.

392/Cal/94 : Seong Heo Park. Cell surface protein expressed on human cortical thymocyte and their use.

393/Cal 94 : (1) Hiranmoy Saha, (2) Utpal Gangopadhyay, (3) Sikha Ganguly (nee Bondoyopadhyay). Fabrication of a low cost single crystal silicon solar cell

394/Cal/94 : The Joseph Company. A protable self-cooling and self-heating device for food and beverage.

27th May, 1994

395/Cal/94 : Texaco Development Corporation. Vent orifice in fluid catalytic cracking direct-connected cyclone apparatus.

396/Cal/94 : Uwe Vieregge. Pipe arrangement for sprikler units.

397/Cal/94 : Conoco Inc. Solvent free oil soluble drag reducing polymer suspension.

398/Cal/94 : Hansen Transmissions international Nv. Series of gear units.

(convention No. 9311956.8 filed on 10-6-93 in Great Britain).

399/Cal/94 : Surelok Technologies. Inmprovements in or relating to a pilfer-proof security seal and/or fastening device.

27th May, 1994

400/Cal/94 : (1) Kyung Jin Song, (2) Young Sik Song, (3) Jerng Sik Song, (4) Joong Sik Song. Reversible vein resin needle set for one time use.

401/Cal/94 : U S West Technologies Inc. Method and apparatus for delivering secured telephony service in a hybrid coaxial cable network.

402/Cal/94 : U S West Technologies Inc. Method and apparatus for providing power to a coaxial cable network.

30th May, 1994

403/Cal/94 : Patent-treuhand-gesellschaft Fur Elektrische Gluehlampen Mbh. Circuit arrangement for operating a low-pressure discharge lamp from a low-voltage source.

404/Cal/94 : White Consolidated Industries, Inc. Refrigerator compressor having a spherical discharge valve.

405/Cal/94 : Glitsch, Inc. Method and apparatus for recovering acetic acid from apueous stream.

406/Cal/94 : Asta Medica Aktiengesellschaft. Compressed gas packagings using polyoxyethylene glyceoyl oleates.

407/Cal/94 : Instytut Ciezkqiej Syntezy organicznej "blachownia', and Zaklady Chemiczne "blachownia". Method to treat an ion-exchanger catalyst for the process of bisphenol-a-synthesis.

408/Cal/94 : Battelle Memorial Institute. Solubilized collagen and paper strengthened therewith.

409/Cal/94 : Wheelabrator Engineered Systems, Inc., Method and apparatus for water treatment.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALIAJAH ROAD, MADRAS-600 002

23rd May, 1994

424/MAS/94 : Kotayya Korlipara Laxminarayanan. Improvements in or relating to a machine for paddy and millets threshing-cum-winnowing, bag filling and weighing the paddy and millet.

425/MAS/94 : K. K. T. Kuruvilla. Electronic ballast for fluorescent tube.

426/MAS/94 : Raychem Corporation. Mass termination connector backshell.

427/MAS/94 : Dennei, Inc., Dwelling scotch yoke engine.

428/MAS/94 : Cognis Gesellschaft fur Bio-und Umwelttechnologie mbH. A modified drying process using superheated steam in the drying medium and its application.

429/MAS/94 : Owens-Brockway Glass Container Inc., Servo controlled glass gob distributor

430/MAS/94 : Hoechst Aktiengesellschaft. Supported metallocene catalyst systems for the polymerization of olefins, preparation and use thereof.

24th May, 1994

431/MAS/94 : K. Sheshadri and K. Chakravarthy. 2/4 C S Engines.

432/MAS/94 : Rhone-Poulenc Chimie. Process for the preparation of introphenols.

433/MAS/94 : Chih-ching Hsieh. Open-ended spanner.

434/MAS/94 : Yi-hsung HSU. Bicycle top-pull front derailleur.

435/MAS/94 : Microunity Systems Engineering, Inc., Two stage flash analog-to-digital signal converter.

436/MAS/94 : Microunity Systems Engineering, Inc., A burst mode memory accessing system.

437/MAS/94 : Micro Unity Systems Ingineering, Inc., Biomos current mode driver and receiver.

438/MAS/94 : Bracco, S.p.A., Iodinated paramagnetic chelates.

439/MAS/94 : Bandgap Technology Corporation. Parallel optical interconnect.

440/MAS/94 : Chevron Research and Technology Company. A catalytic hydrocarbon conversion process. (Divisional to Patent Application No. 700/MAS/90).

26th May, 1994

441/MAS/94 : Tata Tea Limited. A packing/packaging machine.

27th May, 1994

442/MAS/94 : Girivas Viswanath Shet. A method of preparing LORD GURUVAYOORAPPAN'S PADHUKAM (Feet).

443/MAS/94 : Coen Company Inc., Vibration resistant low Nox Burner.

444/MAS/94 : Veliyil Velayudhan Pavithran. A method of making brush mats with non-skid backings and brush mats made thereby.

445/MAS/94 : Dife Care Products (P) Limited. A process for preparing a pharmacologically active substance in powder form containing apium graveleons extract.

446/MAS/94 : Congoleum Corporation. Coating and wearlayer compositions for surface coverings

447/MAS/94 : T C Watermeyer Group, Inc.. Packing elements, a pack, a method of constructing a pack, and a method for installing a packing in an evaporative cooler.

ALTERATION OF DATE UNDER SECTION-16

173829
(536/Cal/91)
antedated to 16th November, 1988.

173830
(117/Cal/92)
antedattd to 10th August, 1988.

173836
Patent No..
(436/M/91)
Ante-dated to 15th October, 1987.

173837
Patent No.
(437/M/91)
Ante-dated to 15th October, 1987.

173838
Patent No.
(438/M/91)
Antedated to 15th October, 1987.

173841
Patent No.
(765/M/91) Ante dated to 26th September 1988.

173842
Patent No.
(150/M/92)
Ante-dated to 9th August, 1988.

173848
Patent No.
(530/M/91)
Ante-dated to 23rd January, 1986.

173850
Patent No.
(592/M/92)
Ante dated to 20th September, 1989.

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, शुल्क को उपर्युक्त कार्यालय को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं । विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए ।

"प्रत्येक विनिर्देश के संबंध में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं ।"

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है । विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है ।

Cl. : 35E+35G+193. 173821

Int. Cl.[4] : C 04 B 35/52, 41/88

A METHOD OF PRODUCING SELF SUPPORTING BODY.

Applicant : LANXIDE TECHNOLOGY COMPANY, LP. OF TRALEE INDUSTRIAL PARK, NEWARK, DELAWARE 19714-6077, UNITED STATES OF AMERICA.

Inventors : (1) TERRY DENNIS CLAAR, (2) GERHARD HANS SCHIROKY, (3) DONALD PETER RIPA, (4) WILLIAM BAYARD JOHNSON.

Application No. 991/Cal/1989; filed on 01st December, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule, 1972) Patent Office, Calcutta.

27 Claims

A method of producing a self-supporting body, such as herein described, comprising :

contacting at least one material selected from the group consisting of boron carbide, a mixture of boron carbide and a carbon donor material, and a mixture of boron carbide and a boron donor material, with a mold, said contacting comprising at least one process selected from the group consisting of sedimentation casting, slip casting, uniaxial pressing, tape casting, injection molding, isostatic pressing and filament winding for fibrous materials to form a preform which is in contact with said mold;

heating a parent metal such as herein described, in a substantially inert atmosphere, such as herein described, to a temperature above its melting point to form a body of molten parent metal and communicating said body of molten parent metal with said preform;

maintaining said temperature for a time sufficient to permit infiltration of said molten parent metal into said preform and to permit reaction of said molten parent metal with at least a portion of said preform to form at least one boron-containing compound; and

continuing said infiltration reaction for a time sufficient to produce said self-supporting body comprising at least one parent metal boron-containing compound.

Compl. Specn. 24 pages Drgns. 3 sheets

Cl. : 35E+G+193 173822

Int. Cl.[4] : C 04 B 35/46, 41/00, 41/88.

A METHOD OF PRODUCING SELF-SUPPORTING CERAMIC BODY COMPRISING ALUMINIUM TITANATE.

Applicant : LANXIDE TECHNOLOGY COMPANY, LP OF TRALEE INDUSTRIAL PARK, NEWARK, DELAWARE 19714-6077, UNITED STATES OF AMERICA.

Inventors : (1) EDWARD MACNALLY ANDERSON, (2) THOMAS ALFRED JOHNSON.

Application No. 993/Cal/89; filed on 01st December, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule, 1972) Patent Office, Calcutta.

15 Claims

A method for producing a self-supporting ceramic body comprising a aluminium titanate, said method comprising:(a) mixing a powder comprising a parent metal such as herein described, with at least one material selected from the group consisting of aluminium titanate and aluminium titanate precursors in relative proportions, such as herein described;

(b) adding a stabilization aid material such as herein described;

(c) forming in the manner such as herein described, a green body from the mixture of step (b); and

(d) heating in a range of temperature such as herein described, said green body in an oxidizing atmosphere, such as herein described, to form said self-supporting ceramic body, and, optionally, casting around said self-supporting ceramic body, a molten metal, such as herein described.

Compl. Specn. 38 pages Drgns. 3 sheets

Cl. : 67 A, 168 C. 173823

Int. Cl.[4] : G 05 B 15/00, G 06 F 11/00.

AN OPERATION SUPPORT SYSTEM.

Applicant : HITACHI LTD. OF 6, KANDA SURUGADAI 4-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : (1) MASAYUKI KIKUCHI, (2) ATSUSHI TAKITA.

Application No. 1005/Cal/1989; filed on 05th December, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule, 1972) Patent Office, Calcutta.

13 Claims

An operation support system comprising :

an operation system (1, 2) having means (134, 135) to simulate an operated system model (136) and means (137) to determine a predetermined operation criterion for said operated system model (136);

a storage medium (4, 41) to store data relevant to information of an operator of said operation system (1, 2) and simulative operations;

An operation support means (3) to control operation of said operation system (1, 2) by computing (303) a guidance to the operation of said operation system (1, 2) based upon the information stored in said storage medium (4, 41).

Compl. Specn. 30 pages Drgns. 11 sheets

Cl. : 132 A, 2 173824

Int. Cl.[4] : B 01 F 9/00

POWDER MIXING DEVICE.

Applicant : SAMSUNG ELECTRON DEVICES CO. LTD. OF 575, SIN-RI TAEAN-EUB, HWASUNG-KUN, KYUNGKI-DO, REPUBLIC OF KOREA.

Inventors : (1) IKCHEOL LIM, (2) YOUNGBAE, (3) HEONSOO KIM.

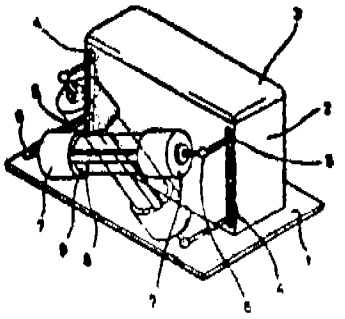
Application No. 1032/Cal/89; filed on 13th December, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule, 1972) Patent Office, Calcutta.

4 Claims

A powder mixing device including a pair of crank wheels that drive an eccentric rod each on the wheel face at both ends of a shaft driven by a motor and a pair of container holder that are jointed to end of said eccentric rods and removably support said mixing container between them, said container holder comprising a supporter that is sustained elastically by a spring within it and a buffer spring inside said supporter that absorbs the axial shock from said mixing container.

FIG. 1



Compl. Specn. 8 pages. Drgns. 3 sheets

Cl. 83 B_1. 83A_1+A_2+A_3 173825

Int. Cl.[4] A 21 D 2/08, A 23 B 4/12, A 23 C 3/08,13/10 15/20, 19/10, A 23 L 3/34.

"A METHOD OF INHIBITING OF MOLD GROWTH IN A NATURAL FOOD PRODUCT"

Applicant : WISCONSIN ALUMNI RESEARCH FOUNDATION, OF 614 NORTH WALNUT STREET, MADISON, STATE OF WISCONSIN, UNITED STATES OF AMERICA.

Inventors : (1) MICHAEL W. PARIZA,
(2) YEONG L. HA.

Application No. 145/Cal/90; filed on 16th February, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

4 claims

A method of inhibiting mold growth in a natural food product which comprises adding in effective amount as herein described to said product 9, 11-octadecadienoic acid 10, 12-octadecadienoic acid or an ester or non-toxic salt thereof either as such or produced in situ as herein described.

(Compl. specn.—21 pages. Dgns.—4 sheets).

Cl. 14 A. 173826

Int. Cl.[4] H 01 M 10/00.

"A LEAKPROOF RECHARGEABLE SEALED CELL".

Applicant & Inventors : (1) KISHORE KOTHARI AND (2) VIPUL KOTHARI, OF 96-A, CHITTARANJAN AVENUE, CALCUTTA-12, WEST BENGAL, INDIA.

Application No. 116/Cal/1990; filed on 06th February, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

21 claims

A leakproof rechargeable sealed cell comprising a container—housing therein an electrode assembly comprising a plurality of positive and negative electrodes having separators therebetween, said electrode assembly being seated on an acid-gas/mist separator supported in the container, said container having a lid on its open top provided with a gas vent channel, a pair of electrically conductive vertical members, one each mounted on the groups of anodes and cathodes respectively extending vertically therefrom towards the

said lid, characterized in that an acid distributor member is passed through and supported by said vertical members, said distributor having its underneath an acid distribution cup or like member, a gas-acid recirculator unit mounted on said contact arms in a slanting manner on said acid distributor member and has at its underside provided with an acid-gas/mist collector having suitable holes on its periphery for passing therethrough the gas developed within the cell along with any acid carried therewith to the top of said collector to which are connected the tube or tubes for recirculation of said entrapped gas with acid/mist to the bottom of the cell such that during zig zag recirculation, the gas gets cooled, acid is depleted of the gas and the gas rises through a plurality of gas conveying tubes or ports provided on the outer vertical wall of said acid-gas/mist separator and finally the dry gas is released through channels provided on the top portion of said wall to the exterior of the cell, said container also having an acid-resistant absorbent material surrounding said electrode assembly.

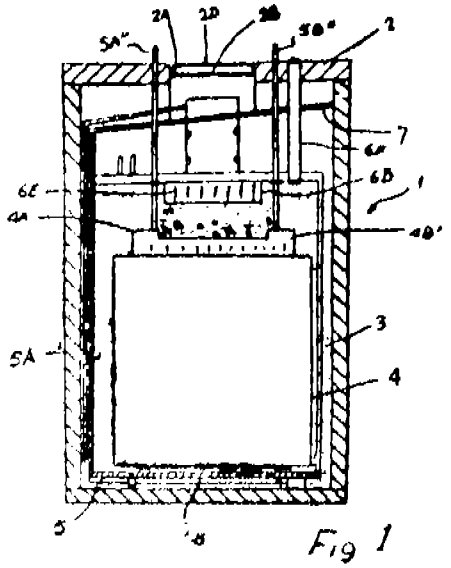


Fig 1

(Compl. speen.—15 pages. Drgns.—3 sheets).

Cl. 127 D. 173827

Int. Cl.[4] F 16 H 1/02.

"AN IMPROVED GEAR ASSEMBLY".

Applicant : EATON CORPORATION, OF 1111 SUPERIOR AVENUE, CLEVELAND, OHIO 44114, UNITED STATES OF AMERICA.

Inventor : JOSEPH DOUGLAS REYNOLDS.

Application No. 257/Cal/90; filed on 29th March, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

6 claims

An improved gear assembly having improved gear retaining means for transmitting axial thrust to a transmission mainshaft from a mainshaft gear being clutched thereto, said transmission of the type having atleast two of the mainshaft gears encircling the mainshaft in axial spaced-apart relationship to each other, a plurality of countershafts having countershaft gears supporting said mainshaft gears and driving said mainshaft gears at different rotative speeds, and clutch means selectively operative to clutch said mainshaft gears to the mainshaft one at a time, characterized in that said thrust means comprising :

a flange extending toward the mainshaft from each of said mainshaft gears, each of said flanges having respective thrust surfaces facing away from each other on opposite sides thereof in a direction substantially parallel to the mainshaft;

a first thrust washer encircling the mainshaft intermediate the respective mainshaft gear flanges;

a second thrust washer encircling the mainshaft adjacent the flange thrust surface of said mainshaft gears facing away from the other of said mainshaft gears;

a third thrust washer encircling the mainshaft adjacent the flange thrust surface of the other of said mainshaft gears facing away from said one mainshaft gear;

means for securing said first, second and third thrust washers to the mainshaft for concurrent rotation therewith and to enable axial thrust to be transmitted from the first thrust washer to the mainshaft; and

said first, second and third thrust washers axially spaced from each other a distance predetermined to enable the respective mainshaft gears to rotate relative thereto when neither is clutched to the mainshaft; and to enable one of said gears to rotate relative of said first, second and third thrust washers when the other said mainshaft gear is clutched to the mainshaft; and to enable the flange thrust surface facing towards said first thrust washer of the particular mainshaft gear being clutched to the mainshaft to engage therewith and transmit axial thrust to the mainshaft through the means securing the first thrust washer thereto.

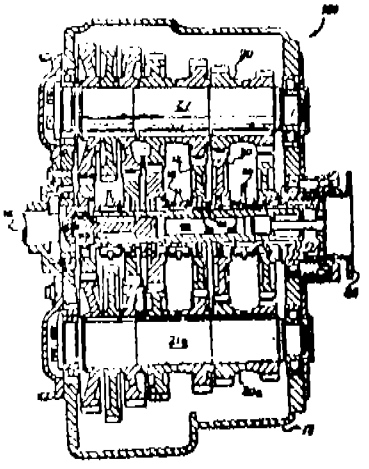


Fig. 1

(Compl. speen.—8 pages. Drgns.—2 sheets).

Cl. 55 E 4; 83-A, 173828

Int. Cl.[4] A 61 K 31/74, 31/715, 35/74; A 23 L 1/09, 1/105, 1/29, 1/304.

"A METHOD OF PREPARING ANTIDIARRHEAL COMPOSITION".

Applicant : MEDICIS CORPORATION, OF 100 EAST 42ND STREET, 15TH FLOOR, NEW YORK, NEW YORK 10017, UNITED STATES OF AMERICA.

Inventors : (1) JONAH SHACKNAI,
(2) JOHN WALDRON HOLADAY,
(3) SHERWOOD LESLIE GORBACH.

Application No. 401/Cal/91; filed on 29th May, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

4 claims

A method of preparing an antidiarrheal composition comprising admixing :

(a) a nutritional substance selected from the group consisting of carrots, maize, millet, sorghum, carob, rice, rice flour, rice water, mashed potatoes and short-chain glucose polymers or admixtures thereof;

(b) a pharmaceutically acceptable synthetic fiber such as polycarbophil; and

(c) an oral rehydration mixture selected from the group consisting of monosaccharides and electrolytes or admixtures thereof and optionally adding.

(d) digestive aid such as Lactobacillus, the components (a) and (b) being employed in the ratio of 5 to 30 parts by wt. of component (b) to 100 to 2000 parts by wt. of component (a).

(Compl. specn.—22 pages; Drgns.—Nil)

Cl. 32 A, 173829

Int. Cl. C 09 B 29/14.

"PROCESS FOR THE PREPARATION OF WATER SOLUBLE 2-NAPHTHOL AZO COMPOUNDS".

Applicant : HOECHST AKTIENGESELLSCHAT, OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) HARTMUT SPRINGER, (2) KURT HUSSONG.

Application No. 536/Cal/91; filed on 10th July, 1991.

(Devided out of No. 955/Cal/88; antedated to 16-11-88).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

13 claims

1. A process for preparing a monoazo compound conforming to the general formula (1) where the variables have the following meanings :

D is a para-or meta-phenylene group which can be substituted by 1 carboxy group or 1 or 2 sulfo groups, or is a naphthylene group which contains the azo group bonded in the 1- or 2- position and to which the grouping X-N (R)- bonded in the 5- 6- position and which can be substituted by 1 carboxy group or 1 or 2 sulfo groups,

R is a hydrogen atom or an alkyl group of 1 to 4 carbon atoms, or is a hydroxyl-, cyano-, carboxy-, sulfo-, sulfato- or phosphato or phenyl- or sulfophenyl-substituted alkyl group of 1 to 4 carbon atoms

M is a hydrogen atom or an alkali metal or one equivalent of a divalent metal,

X is a group of the general formula (2)

where

Y is halogen,

R^a is a hydrogen atom or an alkyl group of 1 to 4 carbon atoms, or is an alkyl group of 1 to 4 carbon atoms which is substituted by a sulfo, carboxy, phosphato, sulfato,

A is a co-valent bond or a group of the formual (3a), (3b) or (3c).

where

R^1 is a hydrogen atom or a sulfo or carboxy group, the free bond in the benzene nucleous of the formula (3b) is bonded in the meta-position or prefrerably in the para-position relative to the group -NH- and

P denotes the number 1, 2 or 3, and

W is a group of the general formula (4a) or (4b) where

R^2 is a hydrogen atom, an alkyl group of 1 to 4 carbon atoms, an alkoxy group of 1 to 4 carbon atoms, a chlorine atom, a sulfo, carboxy or nitro group or an alkylamino group of 1 to 4 carbon atoms or an alkylamino group of 1 to 4 carbon atoms which is substituted in the alkyl radical by hydroxy, sulfato, sulfo, phosphato, alkanoyloxy of 2 to 5 carbon atoms or by carboxy-subsituted alkanoyl-amido of 1 to 4 carbon atoms in the alkylene radical,

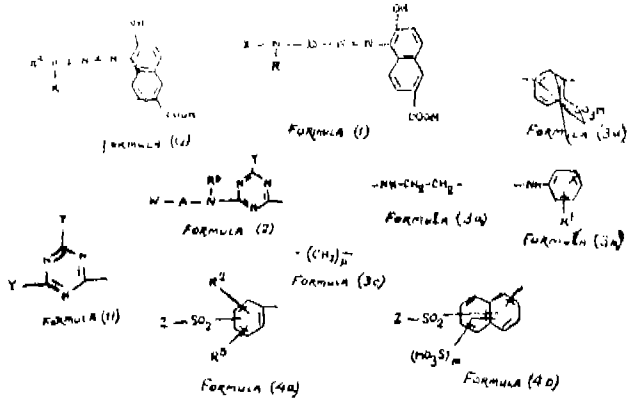
R^3 is a hydrogen atom or alkyl group of 1 to 4 carbon atoms or an alkoxy group of 1 to 4 carbon atoms,

Z is a vinyl group or an ethyl group which is substituted in the β-position by a substituent which can be eliminated by alkali to form a vinyl group,

m stands for the number zero, 1 or 2 (in the case of m being zero, this group denoting a hydrogen atom) and

M has the abovementioned meaning,

which comprises reacting at a pH of between 1 and 7 and at a temperature of between-10° and +80°C, a compound of the general formula (G) in which R, D and M are defined as above and R^1 is a hydrogen atom or is a group of the formula (H) in which the two Ys are defined as above, with a compound of the general formula (I) in which W, A and R^a are defined as above, R^b has the same meaning as R^1 with the proviso that R^1 and R^b are not identical.



(Compl. Specn.—53 pages. Drgns.—3 sheets).

Cl. : 55E1+55E 173830

Int. Cl.[4] : G 01 N 33/53, 33/532, 33/537, 33/553.
C 12 Q 1/00, 1/04.

PROCESS OF OBTAINING A STABLE OF A SOLID PHASE METAL CONTAINING COMPOSITE.

Applicant : HYGEIA SCIENCES, INC. OF 330 NEVADA STREET, NEWTON, MASSACHUSETTS 02160-1432, U.S.A.

Inventors : (1) FRANCIS XAVIER COLE, (2) GENE A DAVIS (3) ERIC C SIGILLO.

Application No. 117/Cal/92; filed on 20th February, 1992.

(Divided out of No. 681/Cal/88; antedated to 10-8-1988).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule, 1972) Patent Office, Calcutta.

3 Claims

Process of obtaining a stable mass of a solid phase metal-containing composite, capable of identifying and/or estimating the presence or absence of an analyte such as herein described comprising coating in the manner such as herein described, a metal-containing particle, such as herein described, with a first immunoreagent, such as herein described and

mixing the thus labelled component with a suspension of a solid phase component, such as herein described coated with a second immunoreagent, such as herein described, the size and character of the said metal-containing particle and those of the solid phase component being selected such as to facilitate stability of the suspension, and collecting the resultant composite therefrom in the manner such as herein described.

(Compl. Specn. 43 pages; Drgns. Nil)

Ind. Class : 68-D—[GROUP-LVII(3)] 173831

Int. Cl.[4] : H 01 B 7/18

A CABLE RESISTANT TO ANIMAL ATTACKS.

Applicant : AMERICAN TELEPHONE AND TELEGRAPH COMPANY, OF 550 MADISON AVENUE, NEW YORK, NEW YORK, 10022 UNITED STATES OF AMERICA, A U.S. COMPANY.

Inventors : (1) CANDIDO JOHN ARROYO (2) PARBHUBHAI DAHYABHAI PATEL.

Application No. 343/Mas/89 filed on May 3, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

11 Claims

A cable resistant to animal attacks, which comprises a core which has at least one transmission media, and a sheath system which encloses said core, said sheath system comprising an outer jacket comprising a plastic material, said sheath system being characterized by a plurality of longitudinally extending segments each of which has an arcuately shaped cross-section transverse to a longitudinal axis of the cable and each of which is made of a dielectric material comprising fibers embedded in a matrix that provides suitable tensile and compressive strength for said cable, said segments cooperating to provide a shell enclosing said core with facing longitudinal edge surfaces of adjacent segments performed to be substantially contiguous, and said segments being stranded helically about said core and being sufficient in number to allow said cable to be routed in a path having a predetermined radius, said outer jacket being disposed about said segments.

(Comp. 22 pages; Drgns. 4 sheets)

Ind. Class : 39-O—[GROUP-III] 173832

Int. Cl.[4] : C 01 B 33/32

A PROCESS FOR THE HYDROTHERMAL PRODUCTION OF SODIUM SILICATE SOLUTIONS.

Applicant : HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF HENKELSTRASSE 67, 4000 DUSSELDORF-HOLTHAUSEN, GERMANY.

Inventors : (1) RUDOLF NOVOTNY (2) ALFERD HOF (3) JOST SCHURTZ.

Application No. 848/Mas/89 filed on November 22, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims

A process for the hydrothermal production of sodium silicate solutions having a SiO_2 : Na_2O molar ratio of 2.9 to 3.7 : 1 comprising heating quartz at a temperature between 1100°C and the melting point of quartz to obtain crystalline silicon dioxide and reacting the said crystalline silicon dioxide with queous sodium hydroxide solution having a concentration of 10 to 50% by weight, in a closed pressure reactor at a temperature of 150 to 300°C. under saturated steam pressures corresponding to those temperatures.

(Comp. 21 pages; Drwg. 1 sheet)

Ind. Class : 70-C_1—[GROUP-LVIII(5)] 173833

Int. Cl.[4] : C 25 D 3/56

A PROCESS OF BLACK ALLOY NICKLE PLATING ON STAINLESS STEEL.

Applicant : INDIAN SPACE RESEARCH ORGANISATION, A GOVERNMENT OF INDIA ORGANISATION, OF ANTARIKSH BHAVAN, NEW BEL ROAD, BANGALORE-560 054, INDIA.

Ingentor : Dr. ANAND KUMAR SHARMA.

Application No. 82/Mas/90 filed on January 31, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims (No drawing)

A process of black alloy nickel plating on stainless steel comprising the steps of degreasing in trichlorocthylene; anodic electrolytic cleaning in 60 to 70% (V/V) sulphuric acid maintaining 8 to 12 volt potential difference for 1/2 to 2 minutes followed by water swill; activation nickel coating in a bath containing 150 to 350 g/l of nickel chloride and 70 to 100 ml of concentrated hydrochloric acid per litre of the bath at room temperature using a current density of of 20 to 40 amp/ft^2 by connecting the stainless steel as anode and reversing the current after 2 minutes and continuing the coating for 6 more minutes; and plating black alloy nickle in a high chloride bath having the composition 60 to 90 g/l of nickel chloride, 20 to 40 g/l of ammonium chloride, 10 to 20 g/l of sodium thiocvanate and 20 to 40 g/l of zinc cloride at a pH 4.5 to 5.5 and current density 1.0 to 2.0 amp/ft^2 for 1 to 3 hours followed by water swill, hot water dip and drying in air.

(Comp. 6 pages.)

Ind. Class : 24-F—[GROUP-LV] 173834

Int. Cl.[4] : B 28 B 1/00; 3/00

APPARATUS FOR PREFORMING FRICTION MATERIAL.

Applicant : AKEBONO BRAKE INDUSTRY CO. LTD., 19-5 NIHONBASHI KOAMI-CHO, CHUO-KU, TOKYO, JAPAN. A JAPANESE COMPANY.

Inventor : YOZO AKATSU.

Application No. 316/Mas/90 filed on April 24, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

Apparatus for preforming a friction material, comprising :

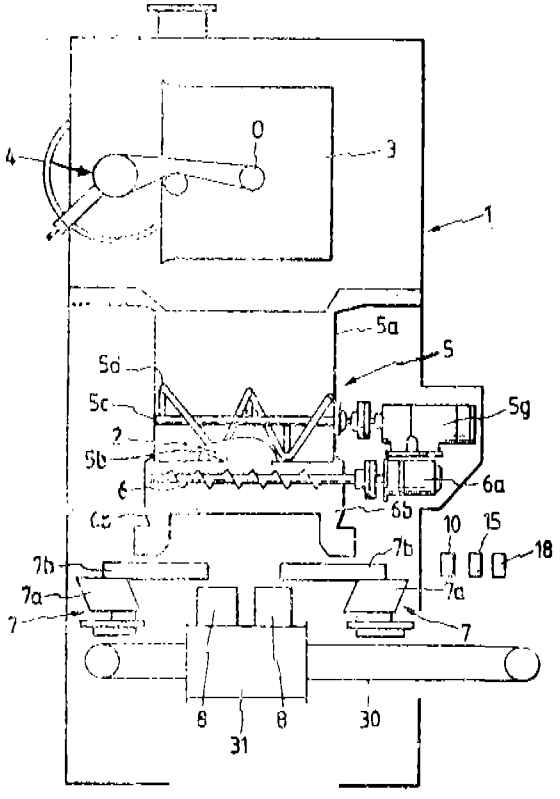
a preform die comprising a lower die member having a recess formed in an upper surface thereof, an intermediate die member having a cavity for receiving said lower die member therein, and an upper die member slidably engageable in said cavity in said intermediate die member;

a friction material-charging device for charging an appropriate amount of a friction material into said cavity in said intermediate die member receiving said lower die member therein;

a leveling device comprising a base having a plurality of narrow rods depending from said base, a first elevator means for vertically moving said base, so that when said base is moved downward, said narrow bars we inserted into said cavity in said intermediate de member; and a device for imparting a horizontal reciprocal movement to said base when said base is moved downward, so as to level the friction material by said narrow bars;

a recess-pressing device comprising a push rod, and a second elevator means for vertically moving said push rod, so that when said push rod is moved downward, said push rod is inserted into said cavity in said intermediate die member so as to press the friction material into said recess; and

a pressing device comprising a third elevator means for vertically moving said upper die member, so that when said upper die member is moved downward, said upper die member is fitted in said cavity in said intermediate die member so as to press the friction material.



(Comp. 16 pages; Drwgs. 4 sheets)

Ind. Class : 38—[LXIV(2)] 173835

Int. Cl.[4] : B 21 L 9/00, 19/00.

A DEVICE FOR ORIENTING BUSHES DURING CHAIN ASSEMBLY.

Applicant : TI DIAMOND CHAIN LIMITED, TIAM HOUSE 28, RAJAJI ROAD, MADRAS-600 001, TAMIL NADU. A COMPANY DULY ORGANISED AND EXISTING UNDER THE LAWS OF THE UNION OF INDIA.

Inventors : 1. RAGUPATHY LAKSHMINARAYANAN, 2. SUBRAMANIAM NOAHKULASEKARAN.

Application No. 577/Mas/90 filed on 19th July 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch-2.

2 Claims

A device for orienting bushes during chain assembly comprising a bush carrier provided with rubber lined sides for transporting bushes during its forward traverse to predetermined points; a bush locator provided with top and bottom locating pins disposed over and below said points for fixing the bushes in corresponding inner plates, the said pins being provided with inwardly directed spring-loaded retractable knife edges, the arrangement being such that just as the said pins enter the bushes at the said points the bushes are rotated about their axes by the said rubber lined sides under friction contact therewith, on the return traverse of the said carrier, thus causing the said knife edges resting on the top rims of the bushes to engage with their seams and arrest any further rotation thereof, whereafter, as the pins urge the bushes into the corresponding inner plates, the knife edges, simultaneously, retract into the said pins under contact pressure with the top rims of the bushes.

(Comp. Specn. 7 pages; Drwg.1 sheet)

Ind. Class : 172-C$_6$—[GROUP-XXI] 173836

Int. Cl.[4] : D 01 H 5/32; 5/38

AN APPARATUS FOR DETECTING THICKNESS VARIATIONS OF A MASS OF FIBER MATERIAL AT THE INFEED OF A TEXTILE MACHINE.

Applicant : MASCHINENFABRIK RIETER AG., A BODY CORPORATE ORGANIZED UNDER THE LAWS OF SWITZERLAND, OF WINTERTHUR, SWITZERLAND.

Inventors : (1)STAHELI PAUL (2) DEMUTH ROBERT (3) FRITZSCHE PETER.

Application No. 436/Mas/91 filed on June 7, 1991.

Divisional to Patent Application No. 740/Mas/87 filed on October 15, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

An apparatus for detecting thickness variations of a mass of fiber material at the infeed of a textile machine comprising

fiber infeed means for receiving a mass of fiber material whose thickness variations are to be detected;

said fiber infeed means comprising at least one driven fiber feed roll element for feeding the mass of fiber material to a textile machine;

said fiber infeed means further comprising at least one fiber infeed element;

said at least one driven fiber feed roll element forming in conjunction with said at least one fiber infeed element an invariable size nipping zone through which the mass of fiber material passes;

means coacting with one of the said elements for delivering measuring signals representative of thickness variations of the through passing mass of fiber material in the said invariable size nipping zone;

means defining an abutment against which one of the said elements is moved into contacting relationship during operation of the fiber infeed means to detect thickness variations of the mass of fiber material;

said means for delivering said measuring signals comprising at least one force measuring unit;

said at least one force measuring unit comprising at least one force measuring cell operatively coacting with said means defining said abutment and determining forces generated in the said invariable size nipping zone by the action of the mass of fiber material therein; and

said determined forces being delivered to said means defining said abutment and thereby to said at least one force measuring cell for generating said measuring signals as electrical signals representative of the thickness variations of the through passing mass of fiber material in the said invariable size nipping zone.

Com. 31 pages; Drwgs. 19 sheets

Ind. Class : 172-C_5—[GROUP-XX] 173837

Int. Cl^4 : D 01 H 5/32; 5/38

AN APPARATUS FOR DETECTING THICKNESS VARIATIONS OF A MASS OF FIBER MATERIAL AT THE INFEED OF A TEXTILE MACHINE.

Applicant : MASCHINENFABRIK RIETER AG., A BODY CORPORATE ORGANIZED UNDER THE LAWS OF SWITZERLAND, OF WINTERTHUR, SWITZERLAND.

Inventors : (1) STAHELI PAUL (2) DEMUTH ROBERT (3) FRITZSCHE PETER.

Application No. 437/Mas/91 filed on June 7, 1991.

Divisional to Patent Application No. 740/Mas/87 filed on October 15, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

An apparatus for detecting thickness variations of a mass of fiber material such as herein described at the infeed of a textile machine comprising : fiber infeed means for receiving a mass of fiber material whose thickness variations are to be detected; said fiber infeed means comprising at least one driven fiber feed roll element for feeding the mass of fiber material to a textile machine; said fiber infeed means further comprising at least one fiber infeed element; said at least one driven fiber feed roll element forming in conjunction with said at least one fiber infeed element an invariable size nipping zone through which the mass of fiber material passes; delivery means coacting with one of the said elements for delivering measuring signals representative of thickness variations of the through passing mass of fiber material in the said invariable size nipping zone; said at least one fiber infeed element comprising a counter roll cooperating with said driven fiber feed roll element; means for pivotably mounting said counter roll for pivotal motion about a pivot axis, and adjustable stop means limiting the pivotal motion of the counter roll for setting a predeterminate size of the said invariable siez nipping zone, the said counter roll is moved into contacting relationship against means defining an abutment during operation of the fiber infeed means to detect thickness variations of the mass of fiber material; said means for delivering said measuring signals comprises at least one force measuring unit; said at least one force measuring unit comprising at least one force measuring cell operatively coacting with said means defining said abutment and determining forces generated in the said invariable size nipping zone by the action of the mass of fiber material therein; and said determined forces being delivered to said means defining said abutment and thereby to said at least one force measuring cell for generating said measuring signals as electrical signals representative of the thickness variations of the through-passing mass of fiber material in the said invariable size nipping zone.

Comp. 31 pages Drwgs. 19 sheets

Ind. Class : 172-C_5—[GROUP-XX] 173838

Int. Cl^4 : D 01 H 5/32; 5/38

AN APPARATUS FOR DETECTING THICKNESS VARIATIONS OF A MASS OF FIBER MATERIAL AT THE INFEED OF A TEXTILE MACHINE.

Applicant : MASCHINENFABRIK RIETER AG., A BODY CORPORATE ORGANIZED UNDER THE LAWS OF SWITZERLAND, OF WINTERTHUR, SWITZERLAND.

Inventors : (1) STAHELI PAUL (2) DEMUTH ROBERT (3) FRITZSCHE PETER.

Application No. 438/Mas/91 filed June 7, 1991.

Divisional to Patent Application No. 740/Mas/87 filed on October 15, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

An apparatus for detecting thickness variations of a mass of fiber material at the infeed of a textile machine, comprising;

fiber infeed means for receiving a mass of fiber material whose thickness variations are to be detected;

said fiber infeed means comprising at least one driven fiber feed roll element for feeding the mass of fiber material to a textile machine;

said fiber infeed means further comprising at least one fiber infeed element;

said at least one driven fiber feed roll element forming an conjunction with said at least one fiber infeed element an invariable size nipping zone through which the mass of fiber material passes;

means coacting with one of the said elements for delivering measuring signals representative of thickness variations of the throughpassing mass of fiber material in the said invariable size nipping zone;

said fiber infeed means comprising at least one feed plate defining said at least one fiber infeed element;

said at least one feed plate being stationary at least during detection of the thickness variations of the mass of fiber material located in the said invariable size nipping zone;

said driven fiber feed roll element comprising a movable feed roll which can be moved from a starting position into an operating position during operation of the fiber infeed means for detecting the thickness variations of the through-passing mass of fiber material;

said means for delivering said measuring signals comprising at least one force measuring unit;

said feed plate comprising groove means; and

said at least one force measuring unit mounted without play in said groove means, and

the mass of fiber material in the invariable size nipping zone producing forces which are transmitted in predetermined amount to the force measuring unit to produce the measuring signals as electrical signals representative of the thickness variation of the throughpassing mass of fiber material in the invariable size nipping zone.

Comp. 31 pages; Drwgs. 19 sheets

Ind. Class : 55-E_1—[GROUP-XIX(1)] 173839

Int. Cl.[4] : A 61 K 9/22; 31/33

A PROCESS FOR PREPARING SPHEROIDS CAPABLE OF CONTROLLED RELEASE OF DILTIAZEM.

Applicant : EUROCELTIQUE S A, 122, BOULEVARD DE LA BETRUSSE, LUXEMBOURG, A LUXEMBOURG COMPANY.

Inventors : (1) BUXTON, IAN RICHARD (2) CRITCHELY, HELEN (3) LESLIE. STEWART THOMAS (4) MALKOWSKA, SANDRA THERESE ANTOINETTE (5) PRATER, DEREK ALLAN (6) MILLER, RONALD BROWN.

Application No. 476/Mas/92 filed on August 5, 1992.

Convention date : August 12, 1991; (No. 9117361.7; Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

11 Claims

A process for preparing spheroids capable of controlled release of diltiazem comprising the steps of granulating a mixture of diltiazem or a pharmaceutically acceptable salt thereof and water, optionally containing a known spheronising agent; extruding the granulated mixture and spheronising the extrudate in a known manner till spheroid cores are formed; drying the said cores and subsequently coating the same with a controlled release coating material such as herein described.

Comp. 10 pages.

Ind. Class : 32-F, [GROUP IX(1)] 173840

Int. Cl.[4] : C 07 C 103/75

A PROCESS FOR THE PREPARATION OF 5,5'-[(1, 3-PROPANEDIYL) BIS-[IMINO(2-OXO-2, 1 ETHANEDIYL) ACETYLIMINO]] BIS(2, 4, 6-TRIIODO-1, 3-BENZENEDICARBOXYAMIDES).

Applicant : BRACCO S P A, AN ITALIAN COMPANY, OF VIA E FOLLI, 501, MILANO, ITALY.

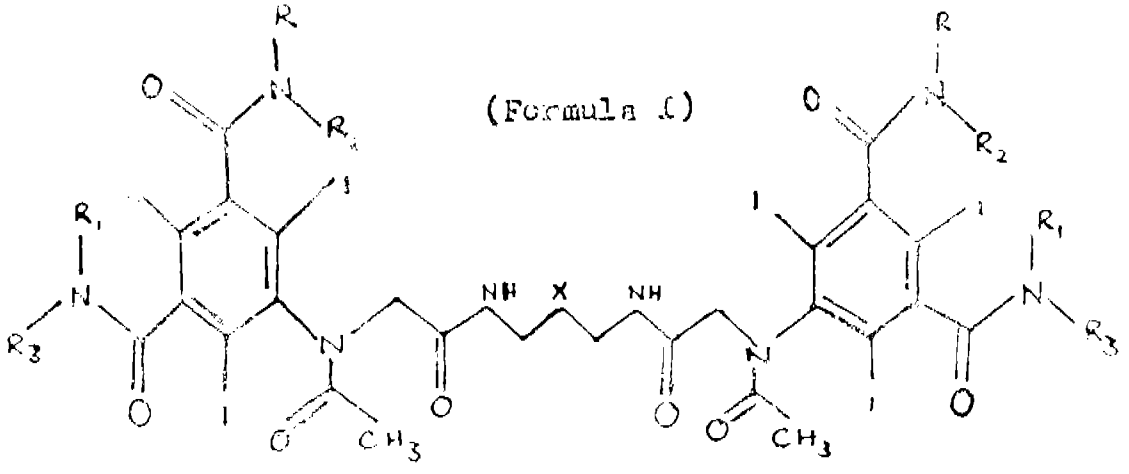
Inventors : (1) PIERLUCIO ANELLI
(2) MARINO BROCCHETTA
(3) FULVIO UGGERI
(4) MASSIMO VISIGALLI.

Application No. 736/MAS/92 filed December 8, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims (No drawing)

A process for the preparation of 5, 5—[(1, 3—propanediyl) bis [imino (2—oxo—2, 1—ethanediyl) acetyl—imino]] bis (2, 4, 6—triiodo—1, 3—benzene—dicarboxyamides), of the general formula (I)



(Formula I)

wherein

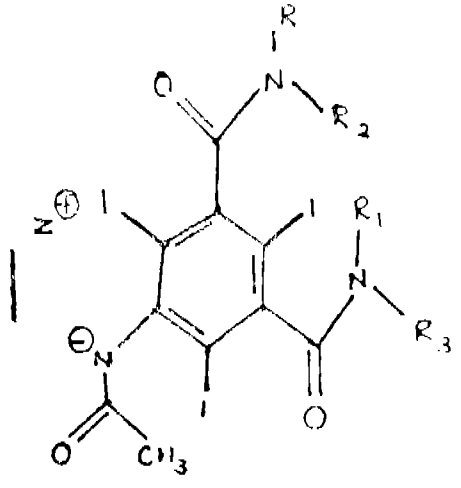
R and R' are independently selected from H, C_1—C_4 alkyl, linear or branched C_1—C_4 monohydroxyalkyl and C_1—C_4 polyhydroxyalkyl,

R_2 and R_3 are independently selected from the groups of formula —CH_2CH_2OH, —$CH_2CH(OH)CH_2OH$, —$CH(CH_2OH)CH(OH)CH_2OH$, —$CH_2(CHOH)_4CH_2OH$ or —$CH(CH_2OH)_2$, X is one of the groups —CH(OH)—, —$CH(CH_2OH)$—, —$C(OH)(CH_2OH)$— or —$C(CH_2OH)_2$—, as well as enantiomers, diastereoisomers and [or rotamers thereof, comprising reacting a compound N, N'—1, 3—propanediyl—bis (2—chloroacetamide) of formula

$ClCH_2OC$—NH—CH_2— × —CH_2—NH—$COCH_2Cl$

(formula II)

wherein X is as defined above and the hydroxy groups have been protected by a suitable protecting group, with a compound 5-acetylamino-2, 4, 6-triiodo-isophthaldiamide reactive derivative of the general Formula



(Formula III)

wherein R, R_1, R_2, and R_3, are as defined above and Z is an alkali metal ion,

in a solvent in a molar ratio ranging from 1:2 to 1:2.5 and thereafter hydrolysing the remaining protecting groups in an acid medium in order to obtain compound of formula (I).

(Com. 19 pages)

Ind. Class : 135 [GROUP LXV(2)] 173841

Int. Cl.[4] : B 06 B 1/06

A PIEZOELECTRIC SHEAR MOTOR.

Applicant : ROCKWELL INTERNATIONAL CORPORATION, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF 2230 EAST IMPERIAL HIGHWAY, EL SEGUNDO, CALIFORNIA 90245, U.S.A.

Inventor : THEODORE AMEN HEINZ.

Application No. 765/MAS/91 filed October 10, 1991.

Divisional to Patent Application No. 668/MAS/88; Antedated to September 26, 1988.

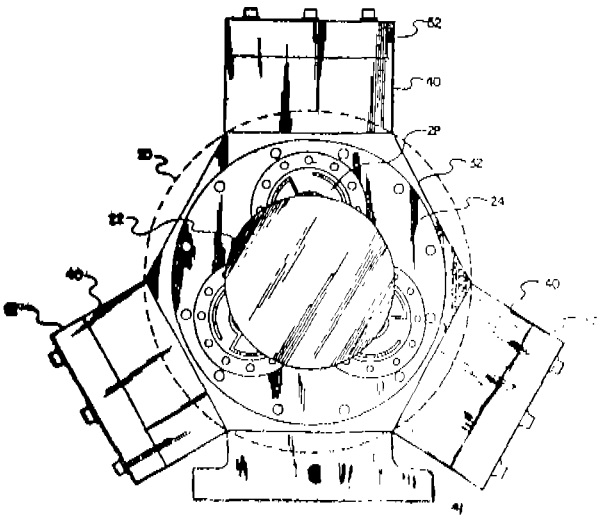
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims

A piezoelectric shear motor providing actuating movements along an axis comprising :

a plurality of piezoelectric means arranged in a vertical stack of horizontal layers to provide movement along an axis in response to applied electrical signals, adjacent horizontal layers being bonded together so that the bottom surface of the upper layer moves to the same extent as the top surface of the lower layer, the movement of each means being a shear movement, and all said means being arranged so that all individual shear movements in response to a given signal occur in the same direction along said axis; and

mechanical means affixed to said piezoelectric means for accepting said moements and for applying them to an object.



(Com. 18 pages; Drgs. 8 sheets)

Ind. Class : 60 [GROUP LXVI(3)] 173842

Int. Cl.[4] : A 41 H 37/00

A FASTENER ATTACHING APPARATUS FOR PERFORMING A FASTENER ATTACHING OPERATION.

Applicant : SCOVILL JAPAN KABUSHIKI KAISHA, A JAPANESE CORPORATION OF 22-1, ICHIBANCHO, CHIYODA-KU, TOKYO, JAPAN.

Inventors : (1) YOSHIHIKO HASEGAWA
(2) NORIYOSHI SUYAMA.

Application No. 150/MAS/92 filed March 12, 1992.

Divisional to Patent Application No. 566/MAS/88; Antedated to August 9, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

A fastener attaching apparatus for performing a fastener attaching operation by moving up and down a movable upper mold against a fixed lower mold comprising slidable support supporting a vertical ram supporting said upper mold relative to said lower mold mounted on a fixed base, a lower end of a first link is pivotally mounted to an upper end of said ram, a lower end of a second link is pivotally mounted to another end of the first link, an upper end of the second link being pivotally mounted to the fixed base, thereby producing a vertical movement of said ram by extending and contracting both the links, one end of a first tension link being coupled to a pivotally mounted point of said both links to produce said vertical movement of said ram, another end of the first tension link being coupled to a leg of one of swinging cranks pivotally mounted to the fixed base, one and of a second tension link being coupled to another leg, and another end of the second tension link being coupled to an output end of a reciprocal member of a power source.

(Com. 26 pages; Drwgs. 9 sheets.)

Ind. Class : 83-A, [GROUP XIV(50)] 173843

Int. Cl.[4] : A 23 G 1/00

A METHOD OF PREPARING A HEAT-RESISTANT CHOCOLATE.

Applicant : MARS, INC., A CORPORATION OF THE STATE OF DELAWARE, U.S.A., OF 6885 ELM STREET, McLEAN, VIRGINIA 22101-3383, U.S.A.

Inventors : (1) KIRK S. KEALEY.
(2) NANCY W. QUAN.

Application No. 185/MAS/92 filed March 24, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

11 Claims (No drawing)

A method of preparing a heat-resistant chorolate which comprises combining tempered chocolate and a stable water-in-oil emulsion such as hereindescribed in the form of a lipid microstructure, able and in an amount errective, to form the heat-resistant chocolate.

(Com. 16 pages)

Ind. Class : 32-C [GROUP IX(1)] 173844

Int. Cl.[4] : C 07 K 7/00

A PROCESS FOR PREPARING A NOVEL POLYPEPTIDE.

Applicant : SEIKAGAKU KOGYO KABUSHIKI KAISHA, A JAPANESE COMPANY, OF 1-5, NIHONBASHI-HONCHO, 2-CHOME, CHUO-KU, TOKYO 103, JAPAN.

Inventors : (1) NOBUTAKA FUJII
(2) NOAKI YAMAMOTO
(3) AKIYOSHI MATSUMOTO
(4) MICHINORI WAKI.

Application No. 261/MAS/92 filed May 4, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims (No drawing)

A process for preparing a novel polypetide represented by formula I or salt thereof :

$$\overset{1}{A_1}\text{—}\overset{2}{A_2}\text{—}\overset{3}{Cys}\text{—}\overset{4}{A_2}\text{—}\overset{5}{A_3}\text{—}\overset{6}{A_3}\text{—}\overset{7}{Cys}\text{—}\overset{8}{A_2}\text{—}\overset{9}{A_3}\text{—}\overset{10}{Gly}\text{—}\overset{11}{A_2}\text{—}\overset{12}{Cys}\text{—}$$

$$\overset{13}{A_2}\text{—}\overset{14}{A_3}\text{—}\overset{15}{A_3}\text{—}\overset{16}{Cys}\text{—}\overset{17}{A_4}\text{—}\overset{18}{A_5} \qquad \text{.....(I}$$

in which

A_1 is a hydrogen or at least one and no more than two amino acids selected from the group consisting of lysine and arginine,

A_2 is a tyroinse, phenylalanine or tryptophan residue,

A_3 is an arginine or lysine residue,

A_4 is at least one and no more than two amino acids selected from the group consisting of lysine and arginine,

A_5 is an OH or an NH_2,

Cys lis a cysteine residue, and

Gly is a glycine residue, comprising the steps of

(a) linking the carboxyl group of an N-protected arginine or lysine at the carboxyl terminal position by methods such as hereindescribed to a insoluble resin such as hereindescribed having amino groups directly attached or through a spacer having a functional group capable of linking to the carboxyl group;

(b) deblocking the (α-amino (Nα) protecting group by means such as herein described;

(c) further linking the amino group of the arginine or the lysine residue on the insoluble resin by methods such as hereindescribed with respective protected amino acids represented by the abovementioned formula I of the successive positions to the amino terminal position of the amino acid sequence; and

(d) subsequently eliminating the insoluble resin and the protecting groups of the amino acids by method such as herein described to obtain the novel polypeptide of the formula i or its salt.

(Com. 29 pages.)

Ind. Class : 55-E[2]&[4] [GROUP XIX(i)] 173845

Int. Cl.[4] : A 61 K 35/78

A METHOD OF PREPARING A CHEMICAL FORMULATION FOR TREATING PATHOGENIO CONDITIONS OF THE HUMAN BODY.

Applicant & Inventor : WALTER WHITSON-FISOHMAN, A U.S. CITIZEN OF 325, EAST 65TH STREET, NEW YORK, NEW YORK 10021, U.S.A.

Application No. 276/MAS/92 filed May 11, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

A method of preparing a chemical formulation for treating pathogenic conditions of the human body when administered through one or more specific acupuncture points or the body which are associated with producing a desired response to a particular condition being treated, comprising the steps of preparing a homeopathic mixture of at least one herb such as herein described and herbal extract such as herein described having therapeutic properties to which the said particular condition being treated is responsive; adding a magnetically permeable substance such as herein described to the mixture; and magnetizing the resulting mixture in a magnetic field of lass than ten gauss to impart a substantially unipolar magnetic charge on said mixture.

(Com. 91 pages; Drwgs. 2 sheets.)

Ind. Class : 32-F[2](a & c) 173846

Int. Cl.[4] : C 07 C 99/00

PROCESS FOR PREPARING AN α-AMINO ACID.

Applicant : DMS N.V., A NETHERLANDS COMPANY, OF HET OVERLOON 1, 6411 TE HEERLEN, THE NETHERLANDS.

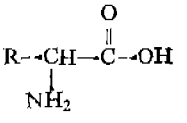
Inventors : (1) WILHELNUS HUBERTUS JOSEPH BOESTEN.
(2) NICOLAAS ANTONIUS DE HEIJ.

Application No. 442/MAS/92 filed July 21, 1992.

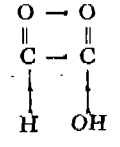
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims

A process for preparing an α-amino acid having the general formula (1) of



where R represents an aryl, cyclbalkyl or alkyl groups with 2-20 carbon atoms optionally substituted with an hydroxy group, an alkyl or alkoxy group with 1-6 carbon atoms or a halogen, wherein glyoxyinc acid of the formula (2) of



or a precursor or a derivative thereof such as dihaloacetic acid, glyoxylic acid (hemi) acetal, glyoxylic acid ester (hemi) acetal, glyoxylic acid halides, glyoxylic acid ester or glyoxylic acid amide is reacted with an unsaturated compound selected from substituted or unsubstituted aromatic compounds such as benzene cyclbalkenes or alkenes, the substituent groups being hydroxy, alkyl, alkoxy or a halogen in the presence of sulphamic acid at a temperature of 20 to 90° and separating the compound of formula I by known means.

(Com. 15 pages)

Ind. Class—55-E$_{II}$—[GROUP-XIX(1)] 173847

Int. Cl.[5]—A 61 K 9/22; 31/33

A PROCESS FOR PREPARING A SOLID ORAL DOSAGE OF A COMBINATION OF DILTIAZEM AND HYDROCHLOROTHIAZIDE.

Applicant : EUROCELTIQUE S. A., A LUXEMBOURG COMPANY, OF LUXEMBOURG, 122 BOULEVARD DE LA PETRUSSE, LUXEMBOURG.

Inventors : (1) BUXTON, IAN RICHARD
(2) BROWN ADRIAN
(3) CRITCHLEY, HELEN
(4) LESLIE, STEWART THOMAS
(5) MALKOWSKA, SANDRA THERESE ANTOINETTE
(6) PRATER, DEREK ALLAN
(7) BRUDERHOLZALLEE RONALD BROWN

Application No. 475/MAS/92 filed on August 5, 1992.

Convention date : August 12, 1991; (No. 9117361.7; Great Britain)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

14 Claims (No drawing)

A process for preparing a solid oral dosage of a combination of diltiazem and hydrochiorothiazide comprising the steps of forming a controlled release unit of diltiazem or its pharmaceutical acceptable salts thereof and a pharmaceutically acceptable known release controlling agent and thereafter combining the same with hydrochiorothiazide, the said hydrochlorothiazide being in immediate release form.

(Com.—18 pages)

Ind. Class—34-A—[GROUP-X] 173848

Int. Cl.[5]—B 29 D 7/01

A METHOD FOR PRODUCING A PROPYLENE POLYMER FILM.

Applicant : HIMONT INCORPORATED, OF 1313 N. MARKET STREET, WILMINGTON, DELAWARE 19894, UNITED STATES OF AMERICA, A DELAWARE CORPORATION.

Inventors : (1) B JOSEPH SCHEVE
(2) JOHN W MAYFIELD
(3) ANTHONY J DENICOLA

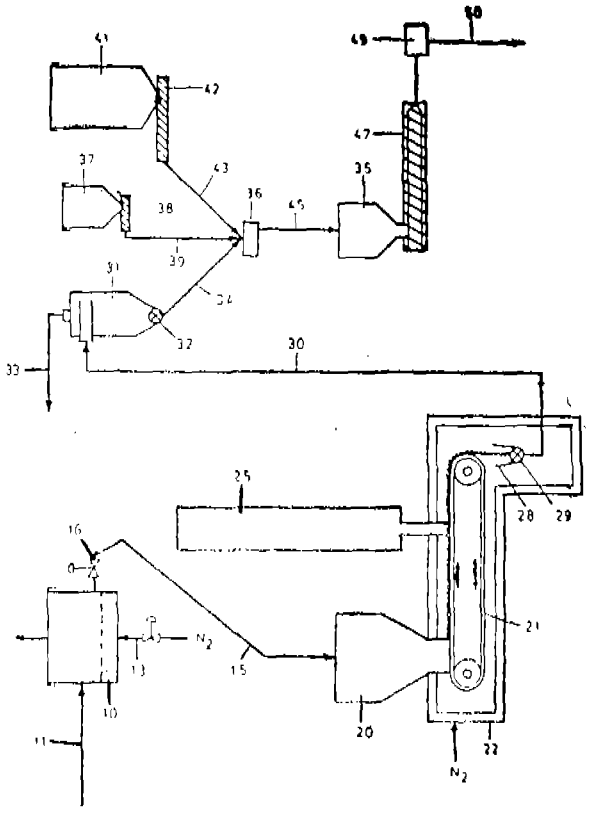
Application No. 530/MAS/91 filed on July 11, 1991.

Divisional to Patent Application No. 758/MAS/89; Antedated to January 23, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

A method for producing a propylene polymer film, comprising the steps of continuously melt extruding a propylene polymer composition consisting essentially of normally solid, gelfree, amorphous to predominantly crystalline polyproplene and having a interinsic viscosity of at least 0.8 dl/gm. a branching index of less than 1 and strain hardening elongational viscosity through a die into a tubular cross-section; blowing air or another fluid into the central portion of said tubular cross-section at elevated pressure to stretch the tube and to cause extensional flow in said polypropyiene thereby generating a stable, controlled bubble in which the thickness of the tubular walls and equal to the desired film thickness; cooling the bubble to fix the film dimensions and collecting the said film at a collection point.



(Com-35 pages; Drwgs,-3 sheets)

Ind. Class—83-A[2]—[GROUP-XIV(5)] 173849

Int. Cl.[5]—A 23 J 1/20

A METHOD OF PRODUCING REFORMED CASEIN MICELLES

Applicant : SOCIETE DES PRODUCTS NESTLE S. A., A SWISS BODY CORPORATE, OF VEVEY, SWITZERLAND.

Inventors : (1) NICHOLAS MELACHOURIS
(2) KENNETH R. MOFFITT
(3) CASIMIR E. RASILEWICS
(4) GEORGE F. TONNER

Application No. 551/MAS/92 filed on September 2, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims (No drawing)

A method for producing reformed casein micelles having a mean diameter particle size of between 0.1 and 0.5 microns, comprising the steps of providing an aqueous reaction medium containing a processed casein material having substantially no casein micelle form; adding sodium hydroxide to the said aqueous reaction medium to provide the aqueous medium with a pH of at least 6.0, then adding a soluble calcium salt to the said aqueous reaction medium in an amount sufficient

to provide a ratio of between 0.01 to 0. 1 parts by weight of calcium ions per part by weight of casein with agitation for a period of at least 15 minutes under known conditions adapted to form casein micelles in the reaction medium; thereafter adding to the said aqueous reaction medium a soluble phosphate salt in an amount sufficient to provide the equeous reaction medium with a ratio of between 0.01 and 02 parts by weight of phosphate ions per part by weight of case'n; and concentrating the said aqueous reaction medium to obtain the reformed casein micelles.

(Com.-19 pages)

Ind. Class—128-F-[GROUP-XXIX(2)] 173850

Int. Cl.[1]—A 61 M 3/00; 5/00

AN ACCESSORY FOR A SKIN-PUNCTURING INSTRUMENT

Applicant : STERIMATIC HOLDINGS LIMITED, A BRITISH COMPANY, OF PO BOX 3151, ROAD TOWN, TORTOLA, BRITISH VIRGIN ISLANDS.

Inventor : JOHN STEWART PARRY

Application No. 592/MAS/92 filed September 22, 1992.

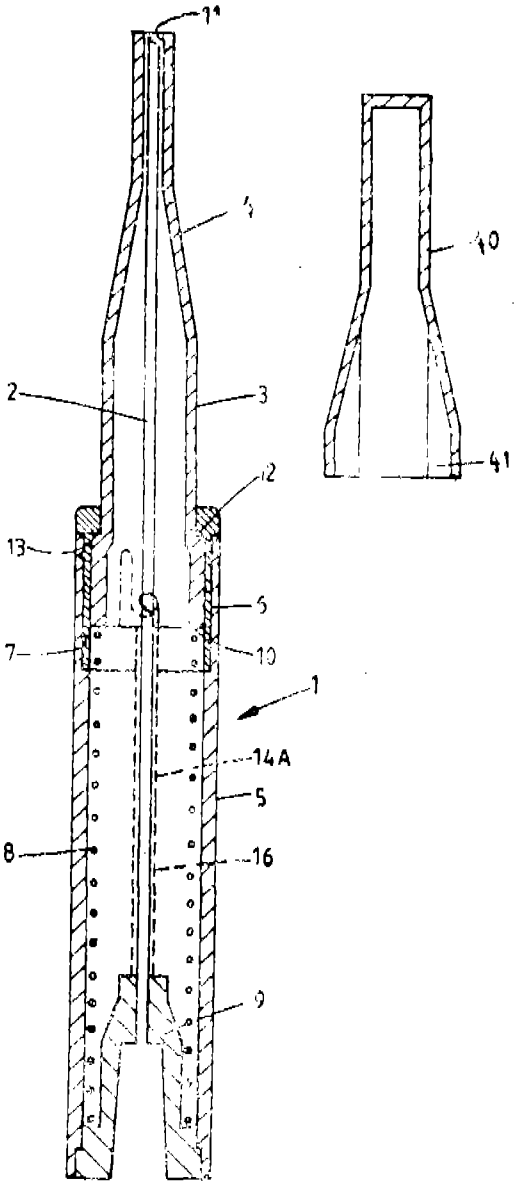
Convention date : October 5, 1988; (No. 8823349-9; Great Britain)

Divisional to patent Application No. 701/MAS/89; Antedated to September 20, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

11 Claims

An accessory for a skin-puncturing instrument having a needle, the accessory comprising a protective shield for surrounding the needle and having two shield parts which are movable relative to one another in the direction of the length of the needle from a contracted position, in which the point of the needle projects from the shield to an extent to enable a skin puncturing operation to be effected, to an extended position in which the point of the needle is located within the shield to shield the point of the needle, and retaining means for retaining the shield in the extended position after the skin-puncturing operation has been effected and for preventing the point of the needle from being exposed solely by application of pressure to the end of the shield in the direction of contracting movement wherein the retaining means comprises, on one of the shield parts, a locking tongue within a recess in the wall of said one shield part, the locking tongue being pivotable within the recess between a locking position and a disengaged position and being resiliently biased towards its locking position, and, on the other shield part, a shoulder which is positioned such that, during movement of the shield from its contracted position to its extended position, the locking tongue overrides the shoulder and, in so doing is pivoted from its disengaged position into its locking position by resilient action so that it engages behind the shoulder to retain the shield in its extended position.



(Com. - 17 pages; Drwgs. 3 sheets)

OPPOSITION PROCEEDINGS

The opposition entered by National Research Development Corporation of India, to the grant of a patent on Application No. 164470 made by Indian Space Research Organisation, as notified in Part III, Section 2 of the Gazette of India, dated 7th October, 1989 has been dismissed and the Patent ordered to be Sealed.

PATENTS SEALED

ON 24-06-1994.

172484* 172485 172486 172488 172492* 172493 172497* 172499 172501* 172504 172507 172511 172512 172520*D

Cal-03, Mas-03, Bom - 04 and Del - 04./

*Patents shall be deemed to be endorsed with the words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

F - Food Patent,

D - Drug Patent./

RENEWALE FEES PAID

153423 153745 154669 154688 154689 154940 155008 155012 155016 155035 155140 155205 155962 156238 156433 156449 156558 156601 156698 156775 156818 156827 156860 157125 157261 157299 157319 157390 157442 157489 157506 157519 157666 157721 158042 158050 158588 158655 158666 158672 158690 158964 158990 159215 159297 159743 159766 159810 159870 160095 160177 160512 160815 160816 160821 160838 161239 161268 161527 161620 161741 161772 161785 161789 161850 161949 161975 162314 162352 162369 162487 162496 162497 162523 162574 162859 162878 163470 163532 163964 164038 164214 164264 164436 164707 165187 165509 165648 165673 165709 165764 165767 165925 166168 166170 166354 166439 166484 166491 166631 166740 166754 167490 167693 167740 167757 167931 168049 168198 168335 168456 168672 169235 169279 169280 169549 169990 170054 170111 170747 170764 170765 170767 170827 172168 172292 172293 172342 172343 172372

RESTORATION PROCEEDINGS

Notice is hreeby given that an application for restoration of patent No. 159297 dated the 10th May, 1983 made by Walter Grato Rossi on the 16th Dec., 1993 and notified in the Gazette of India, Part III, Section 2. dated the 5th March, 1994 has been allowed and the said patent restored.

Notice is hreeby given that an application for restoration of Patent No. 168672 dated the 28th Dec., 1987 made by Himont Incorporated on the 16th December, 1993 and notified in the Gazette of India, Part III, Section 2, dated the 5th March, 1994 has been allowed and the said patent restored.

Notice is hereby given that an applciation for restoration of patent No. 169973 dated the 1st June 1988 made by TVS Suzuki Limited on the 3rd June 1993 and notified in the Gazette of India, Part III, Section 2, dated the 25th September 1993 has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of the registration included in the entries.

Class 1. No. 166127. Kaivo Kogvo Kabushiki Kaisha of 1—11 Akihabara, Taito-ku, Tokyo, Japan. "Pump". September 3, 1993.

Class 1. No. 166184. Sunder Nath Sud. B-74. Sector-14, Noida-201301, Dist : Ghaziabad, U.P., India, Indian. "Earth Auger". September 17, 1993.

Class 1. No. 166351. Talcherkars Display Systems Pvt. Ltd. of Pushpa Kunj, Palkhi Wadi, Off. Kashinath Dhura Road. Prabhadevi, Bombay-400028, Maharashtra, India. "Displaysystem". October 13, 1993.

Class 1. No. 166370. Ravi Gupta, an Indian of 12. Sham Nath Marg, New Delhi-110054, India. "Clothes Dryer". October 14, 1993.

Class 1. No. 166804. Western Agro Implements Co. Pvt. Ltd., Indian Co. of 23, Netaji Subhas Road, 3&4. Commercial Building, Calcutta-700001. W.B., India. "Multi Row seed drill for agriculture". February 8, 1994.

Class 1. No. 166818. Narendra Nath Trehan & Mrs. Ritu Trehan of Captain Gears & Fans, D-35, Sector II, Noida-201301, U.P., India. "Compact Flourescent Lamp". February 9, 1994.

Class 3. No. 166137. Crystal Plastics & Metallizing Pvt. Ltd. of Sanghi House, Palkhi Galli, Off Veer Savarkar Marg, Prabhadevi, Bombay-400025, Maharashtra, India. "Comb". September 6, 1993.

Class 3. No. 166253. Magatrom Control Systems (P) Ltd. of B-191, Naraina Industrial Area, Phase-I, New Delhi-110028, India. "Water Regulating Apparatus". September 23, 1993.

Class 3. No. 166316. NBB Nordisk Bilbelysning AB of Box 1005, S-581 10 Linkoping, Sweden. "Headlisht". October 5, 1993.

Class 3. No. 166360. Balsara Hygiene Products Ltd. of "Balsara House", 43, N. Master Road, Fort, Bombay-400001, Maharashtra, India. "Device for heating mat and vaporising liquid". October 13, 1993.

Class 3. No. 166389. Balsara Hygiene Products Ltd. of "Balsara House", 43, N. Master Road, Fort, Bombay-400001, Maharashtra, India. "Device for vapourising liquid for repelling insects". October 19, 1993.

Class 3. No. 166366. S. L. Industries, 18, Bank Enclave, Ring Road, Rajouri Garden, New Delhi-110027, India. "Container". October 13, 1993.

Class 3. No. 166368. Milton Plastics Ltd. of 58D, Govt. Industrial Estate. Charkop, Kandivli (W), Bombay-400067. Maharashtra, India. "Insulated box". October 13, 1993.

Class 3. No. 166400. Indraprastha Plastics Pvt. Ltd. of C-314, Phase II. Mayapuri, Industral lArea, New Delhi-110064, India, "Container". October 20, 1993.

Class 3. No. 166685. Mahendra Shivdas Patel of Celltone Appliances, Parmar House, Ramchandra Lane Extension, Malad (W), Bombay-400064, Maharashtra, India.

Class 3. No. 166684. Mahendra Shivdas Patel of Celltone Appliances, Parmar House, Ramchandra Lane Extension, Malad (W), Bombay-400064, Maharashtra, India. "A gas lighter", January 11, 1994. 22, 1993.

Class 4. No. 165448. Council of Scientific & Industrial Research, Rafi Marg, New Delhi-110001, India. "Angular corrugated perforated sheet". March 22, 1993.

Class 4. No. 166317. NBB Nordisk Bilbelysning AB of 1005, S-581 10 Linkoping, Sweden. "Headlight". Oct. 5, 1993.

Class 10. No. 166169. Alert India. C/1. SMA Industrial Estate, GT Karnal Road, Delhi-33, India. "Sole of footwear"- September 15, 1993.

Class 12. No. 166118. Kamal Industries, Unit No. 2, 151 Industrial Area. Bikaner, Rajasthan India. "Papad Chips". September 3, 1993.

R. A. ACHARYA,
Controller General of Patents Designs,
and Trade Marks

प्रबन्धक, भारत सरकार मुद्रणालय, फरीदाबाद द्वारा मुद्रित
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